



Presto Hot Air Popcorn Popper Blower Disassembly

This will show how to disassemble the popcorn popper and how to repair the blower

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INTRODUCTION

So, here it is, Sunday evening and my daughter attempts to make popcorn that we all get to enjoy while watching a movie. Gets the kernels, puts them into the popper, plugs it in and.....nothing. Daddy can you 'fixit'? Will see what we find....



TOOLS:

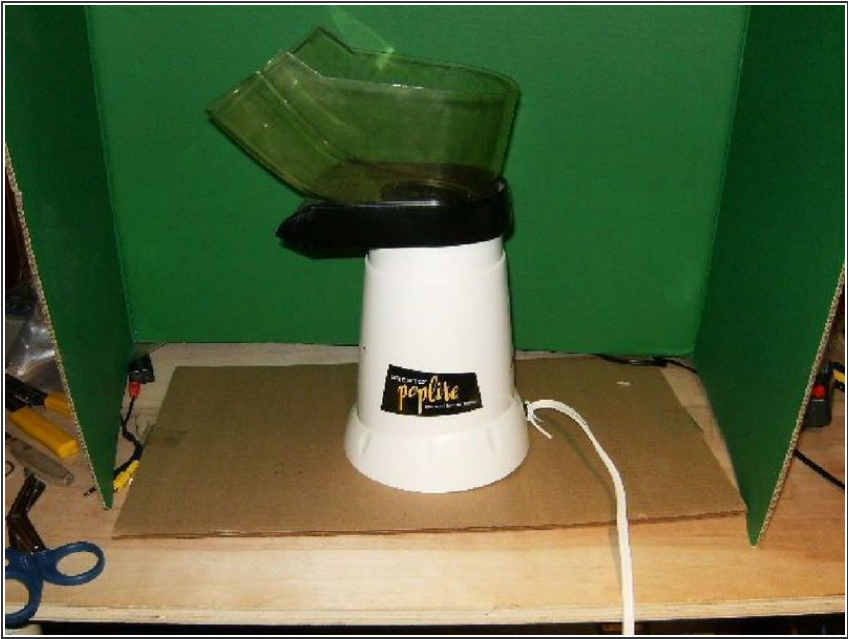
- [Phillips #2 Screwdriver](#) (1)
 - [Soldering Station](#) (1)
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Step 1 — Presto Hot Air Popcorn Popper Blower Disassembly



- This is the Hot Air Popper. worked pretty good and has lots of 'miles' on it. We used it often, and it did work well. New one would be about \$20 at some major department stores.
- But hey, I am frugal....

Step 2



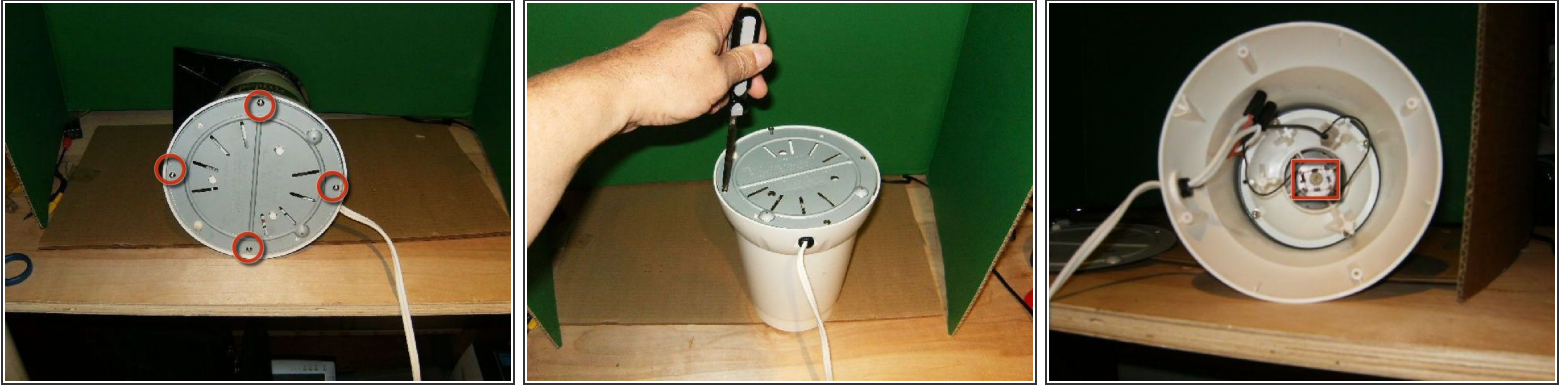
- This is what it looks like for real. Still in good shape.

Step 3



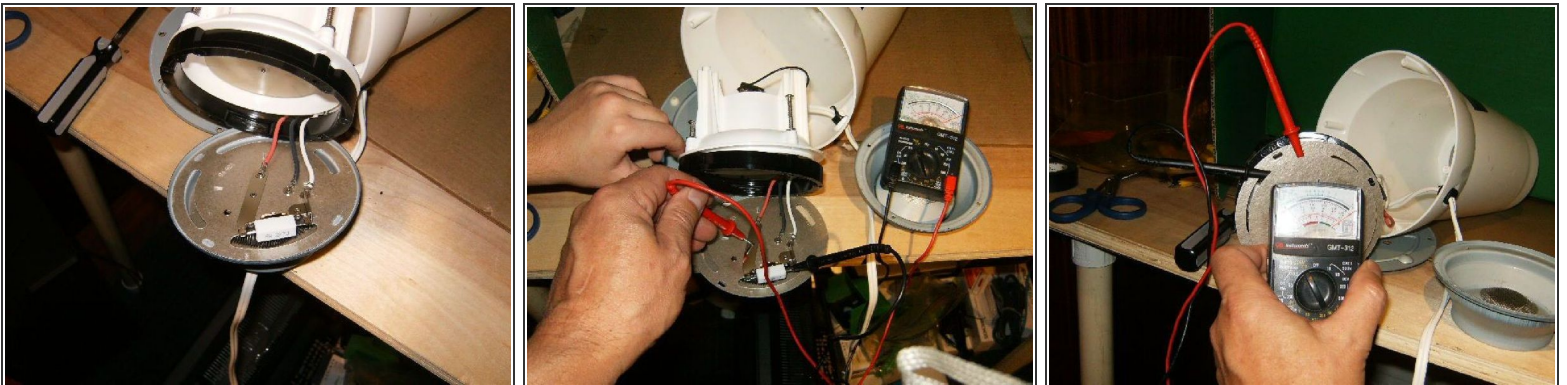
- This is looking toward the top. There are three Phillips screws that need to be removed.
- Once removed, the black cover that holds the popping chamber can be removed. the popping chamber and the black cover are removed as one piece.

Step 4



- The bottom cover is fastened with four screws. Remove those.
- Once the bottom cover is removed, the blower motor is clearly visible.
- Where the power cable attaches to the motor, are four diodes. These diodes only allow half-cycle of a full cycle of positive and negative power cycle to reach the motor.
- The motor only gets current in one direction, allowing it to spin in one direction. After all, we are dealing with AC current here.

Step 5



- With the bottom cover off, the hot air assembly will easily slide out. Power connections and temperature control are clearly visible.
- Use a multimeter to check the switch for continuity.
- Check the heating element for continuity.

Step 6



- The problem that was visible on close inspections with a magnifying glass, was a charred diode.
- removed the diode (it was attached by point-to-point soldering to the other ones) by de-soldering.
- Replace the faulty diode. Description on the diode was V81 N4001.

To reassemble your device, follow these instructions in reverse order.

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